Index of Claims

| Applica | ition/ | Contr | ol No. |
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10/015,054

Applicant(s)/Patent under Reexamination

KIM, MOON-YOUNG
Art Unit

Examiner
Roland G. Foster

2645

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| Cla      | Claim Date |  |                |                 |   |   | Cla   | Claim    |           |          | [  | Date     |                 |              |           |                | Claim   |               | Date      |         |       |          |               |              |              |          |          |          |                   |           |
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| <u> </u> | 1          | -  | ⊢              | $\vdash$        | -+  | +   | +   | $\dashv$ | -         |          | <del> </del>                                     | 51       | $\vdash$        | +            | $\vdash$  | $\vdash$       | +   | ┨             |           |         |       | 101      | <del>-</del>  | +            | ╁            | ╁        | $\vdash$ | $\dashv$ | $\dashv$          | $\dashv$  |
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| <u> </u> | 4          |  | $\vdash$       | $\vdash$        | $\dashv$  | $\dashv$  | $\dashv$  | -+       | +         | -        |  | 3 54     | $\vdash$        | +            | +         | $\vdash$       | +   | +             | ╣         |         |       | 103      | <del> ,</del> | ╁            | ╁            | ╁╌       | _        | $\dashv$ | $\dashv$          |           |
|          | 5          | ╁╌   | ┢┈             | ┝╌┼             | $\dashv$  | +   | $\dashv$  | $\dashv$ |           | -        | ├  | 55       | $\vdash$        | +            | +         | $\vdash$       |   | +             | $\dashv$  |         |       | 105      | -             | +            | +            | +        | $\vdash$ | $\dashv$ | $\dashv$          | -         |
|          | 6          | ╁  | $\vdash$       | $\vdash$        | $\dashv$  | +   | -+  | $\dashv$ |           | -        |  | 56       | H               | +            | $\vdash$  | $\vdash$       | +   | ++            |           |         |       | 106      |               | +            | ╁            | ╫        |          | $\dashv$ | $\dashv$          | $\dashv$  |
| $\vdash$ | 7          | ╁  | $\vdash$       | $\vdash$        | -+  | +   | -+  | $\dashv$ | $\dashv$  |          |  | 57       | $\vdash$        | +            | +         | $\vdash$       | $\dashv$  | + +           | -         |         |       | 107      | $\dashv$      | +            | +            | ╁        |          | -        | +                 | $\dashv$  |
|          | 8          | ╁  | ┢              | $\vdash$        | -+  | +   | -+  | $\dashv$ | $\dashv$  | -        | <del> </del>                                     | 58       | $\vdash$        | +            | $\vdash$  | $\vdash$       | +   | + +           | $\dashv$  |         |       | 108      | -             | ╅            | ╁            | +        |          | $\dashv$ | $\dashv$          | $\dashv$  |
| $\vdash$ | 9          | $\vdash$   | $\vdash$       | $\vdash$        | $\dashv$  | +   | $\dashv$  | -        | +         |          | <u> </u>   | 59       | $\vdash$        | ╁            | Н         | $\vdash$       | +   | + +           | -         |         |       | 109      | $\dashv$      | +            | ┿            | ╁        | Н        | $\dashv$ | $\dashv$          | $\dashv$  |
|          | 10         | <del>                                     </del> | H              |                 | +   | +   | -+  | -        | -         | -        |  | 60       | $\vdash +$      | +-           | +         | $\vdash$       | $\dashv$  | ++            | $\dashv$  |         |       | 110      | -             | ╈            | ╁            | +        | H        | $\dashv$ | $\dashv$          | ⊣         |
| $\vdash$ | 11         | $\vdash$   | $\vdash$       | $\vdash$        | $\dashv$  | +   | $\dashv$  | $\dashv$ | +         | -        | <u> </u>   | 61       | $\vdash +$      | +-           | Н         | <del>   </del> | +   | 1 1           | $\dashv$  |         |       | 111      | $\dashv$      | +            | ╁            | +        | $\vdash$ | $\dashv$ | $\dashv$          | $\dashv$  |
|          | 12         | H  | $\vdash$       | $\forall$       | $\dashv$  | $\dashv$  | $\dashv$  | +        | $\dashv$  | -        | <b></b>  | 62       |                 | +            | $\vdash$  | $\vdash$       | +   | † †           |           |         |       | 112      | $\dashv$      | +            | ╁            | +        | $\vdash$ | $\dashv$ | $\dashv$          | $\dashv$  |
|          | 13         | +-   | -              | H               | $\dashv$  | +   | $\dashv$  | $\dashv$ | +         | -        |  | 63       | $\vdash$        | +            | Н         | $\vdash$       | +   | 1 -           |           |         |       | 113      | $\dashv$      | +            | +            | +        | Н        | $\dashv$ | $\dashv$          | $\dashv$  |
| $\vdash$ | 14         | $\vdash$   | $\vdash$       |                 | $\dashv$  | $\dashv$  | $\dashv$  | -+       | +         | -        | $\vdash$   | 64       | <del>   -</del> | +-           | ╁┤        | $\vdash$       | +   | +             | $\dashv$  |         |       | 114      | $\dashv$      | +            | +            | +-       | H        | $\dashv$ | $\dashv$          | $\dashv$  |
| $\vdash$ | 15         | <u> </u>   |                | $\vdash$        | $\dashv$  | $\dashv$  | $\dashv$  | +        | $\dashv$  | -        | <del>                                     </del> | 65       | $\vdash$        | - -          | +-        | $\vdash$       | _   | 1 1           | $\dashv$  | <b></b> |       | 115      | +             | +            | ╈            | ╁╴       | H        | $\dashv$ | $\dashv$          | $\dashv$  |
| <b>—</b> | 16         | t  | ┢╌             | $\vdash$        | -+  | $\dashv$  | $\dashv$  | $\dashv$ | -+        | -        | $\vdash$   | 66       | $\vdash +$      | +            | Н         | $\vdash$       | +   | 1 -           | -         |         |       | 116      | 十             | +            | +            | +        | $\vdash$ | $\dashv$ | $\dashv$          | $\dashv$  |
| -        | 17         | $\vdash$   | $\vdash$       | $\vdash$        | +   | $\dashv$  | $\dashv$  | $\dashv$ | +         | -        | $\vdash$   | 67       | -               | +-           | $\vdash$  | $\vdash$       | +   | ++            | $\dashv$  |         |       | 117      | $\dashv$      | +            | +            | +        |          | $\dashv$ | $\dashv$          | $\dashv$  |
| $\vdash$ | 18         | H  |                | H               | $\dashv$  | +   | $\dashv$  | $\dashv$ | +         | -        |  | 68       | $\vdash$        | +            | +         |                | _   | + +           | $\dashv$  |         |       | 118      | +             | +-           | +            | +        | $\vdash$ | -        | $\dashv$          | $\dashv$  |
|          | 19         | $\vdash$   | $\vdash$       | $\vdash$        | $\dashv$  | +   | $\dashv$  | +        | $\dashv$  | $\dashv$ | <del>                                     </del> | 69       | +               | +-           | $\vdash$  | $\vdash$       | +   | 1 1           | $\dashv$  |         |       | 119      | $\dashv$      | +            | +            | +-       |          | -        | $\dashv$          | $\forall$ |
| <b>—</b> | 20         | $\vdash$   | <del>  -</del> | $\vdash \vdash$ | $\dashv$  | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$  | -        | <u> </u>   | 70       | $\vdash \vdash$ | +            | Н         | $\vdash$       | +   | † †           | $\dashv$  |         |       | 120      | $\dashv$      | +            | +            | +        | $\vdash$ | $\dashv$ | $\dashv$          | $\dashv$  |
|          | 21         | ╁  | ┢              | $\vdash$        | _   | 十   | -+  | $\dashv$ |           | -1::::   |  | 71       | <del>   </del>  | +-           | +         | H              | +   | 1-1           | $\dashv$  |         |       | 121      | 十             | 十            | +            | +-       |          | -        | $\dashv$          | $\dashv$  |
| _        | 22         | ├-   | ┢              | H               | -   | +   | 十   | $\dashv$ | $\dashv$  | -        | <u> </u>   | 72       | $\vdash$        | +            | Н         | H              | +   | 1 1           | $\dashv$  |         |       | 122      | $\dashv$      | +            | ╁            | ╁        |          | -        | $\dashv$          | $\dashv$  |
|          | 23         | t –  |                | 1               | -   | _   | +   | 十        | $\neg$    | -        |  | 73       |                 | +            | H         | $\Box$         | +   | 1 -1          |           |         |       | 123      | $\dashv$      | +            | 十            | ✝        | $\vdash$ | $\dashv$ | $\dashv$          | $\dashv$  |
|          | 24         | t  |                | H               | 7   | 十   | 十   | 寸        | _         |          |  | 74       | $\vdash$        | +-           | 1         | H              | $\top$  | 1 -1          | $\dashv$  |         |       | 124      | _             | $^{\dagger}$ | +-           | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$          | $\dashv$  |
|          | 25         |  |                |                 | 7   | 十   | 寸   | 寸        | <u> </u>  | ١        |  | 75       | $\vdash$        | ╅            |           |                | $\top$  | 1 1           | $\neg$    |         |       | 125      | 十             | ╅            | +-           | T        |          |          | 十                 | $\dashv$  |
|          | 26         | t  |                | H               | 7   | 十   | 十   | 7        | _         |          | $\vdash$   | 76       | $\vdash$        |              |           |                | $\top$  | 1 1           | $\dashv$  |         |       | 126      | 一             | +            | +-           | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$          | $\dashv$  |
|          | 27         | † <del>-</del>                                   | $\vdash$       | m               | 7   | $\top$  | $\neg$  | $\neg$   | 一         | -        |  | 77       | $\Box$          |              |           |                | $\top$  | $\Box$        | _         |         |       | 127      |               |              | +            | T        |          | T        | 寸                 | ┪         |
|          | 28         | i –  |                |                 | T   | T   | 十   | 1        | 十         | 7        |  | 78       |                 | 1            | П         | $\Box$         | $\top$  | $T^{\dagger}$ |           |         |       | 128      | 十             | _            | $\top$       |          |          | ヿ        | $\dashv$          | $\dashv$  |
|          | 29         | $\vdash$   |                |                 | T   | 寸   | 寸   | 7        | T         | 7!!!!    |  | 79       |                 | 1-           | $\vdash$  | П              | _   | 1 1           | _         |         |       | 129      |               | $\top$       | T            | 1        |          | $\neg$   | $\dashv$          | ┨         |
|          | 30         |  |                |                 | $\top$  | 寸   | 寸   | 寸        | 十         | 7111     |  | 80       |                 | 1            | T         |                | +   | 1 1           | $\exists$ |         |       | 130      |               | +            | +            | 1        |          |          | ヿ                 | $\dashv$  |
|          | 31         |  | <b>—</b>       |                 | $\top$  | 十   | 十   | 寸        | 一         |          |  | 81       | $\vdash$        | _            | П         | Н              | +-  | 17            | $\dashv$  |         |       | 131      |               |              | 1            | 1        |          |          |                   | ٦         |
|          | 32         | 1  |                |                 |   | 寸   | _   | $\neg$   |           | 788      |  | 82       | $\vdash$        | 十            | П         | П              | $\top$  | $\Box$        |           |         |       | 132      | 一十            | $\top$       | $\top$       | T        |          | $\neg$   | 十                 | ┪         |
|          | 33         | Π  |                |                 |   | 寸   |   | $\neg$   |           |          |  | 83       |                 |              | П         |                |   |               |           |         |       | 133      |               |              | T            | 1        |          |          | ヿ                 | ╡         |
|          | 34         | П  |                | П               | $\neg$  | $\dashv$  | 1   |          |           | 7        |  | 84       | П               | $\top$       | П         |                | 1   | $\sqcap$      | $\neg$    |         |       | 134      | 1             | $\top$       | T            | t        | П        |          | 寸                 | $\dashv$  |
|          | 35         |  |                |                 |   |   |   |          |           | _        |  | 85       |                 |              | П         |                | _   | $\sqcap$      |           |         |       | 135      | 十             | $\top$       | 1            |          | П        | ヿ        |                   | $\neg$    |
|          | 36         | П  |                | П               |   | $\neg$  | $\dashv$  | 一        | $\neg$    | 7        |  | 86       |                 | $\top$       | П         | $\Box$         | $\neg$  | T             |           |         |       | 136      |               |              | T            |          |          | ヿ        | 寸                 | ヿ         |
|          | 37         | $L^-$  |                |                 | $\Box$  |   |   |          | _         |          |  | 87       |                 | $\top$       | П         | $\Box$         | 1   | $\Box$        | $\exists$ |         |       | 137      |               | T            | $\top$       |          | П        | 寸        | $\dashv$          | $\neg$    |
|          | 38         |  |                |                 |   |   |   |          |           |          |  | 88       |                 |              | П         | $\Box$         |   | $\Box$        |           |         |       | 138      |               | T            | $\top$       | 1        | П        | 一        |                   | $\neg$    |
|          | 39         |  |                |                 |   | $\Box$  |   |          |           |          |  | 89       |                 |              |           |                |   | $\Box$        | _ :       |         |       | 139      |               |              |              |          |          | 一        | $\Box$            |           |
|          | 40         |  |                |                 |   |   |   | $\Box$   |           |          |  | 90       |                 |              |           |                |   | $\Box$        |           |         |       | 140      |               |              | floor        |          |          |          | $\Box$            |           |
|          | 41         |  |                |                 |   |   | $\Box$  | $\Box$   | $\Box$    |          |  | 91       |                 | $oxed{oxed}$ |           |                |   | $\Box$        |           |         |       | 141      |               | T            | Ι            | П        |          |          | $\Box$            |           |
|          | 42         |  |                |                 |   | $\Box$  | $\Box$  |          |           |          |  | 92       |                 | $\mathbb{T}$ |           |                |   |               |           |         |       | 142      |               |              |              |          |          |          | $\top$            | $\neg$    |
|          | 43         |  |                |                 | $\Box$  |   | I   | 丁        |           |          |  | 93       |                 | $\prod$      |           |                |   |               |           |         |       | 143      |               |              |              |          |          |          |                   | $\Box$    |
|          | 44         |  |                |                 | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oldsymbol{ol}}}}}}}}}}}}}}}$ | J        | $oxed{J}$ |          |  | 94       |                 |              |           |                |   | $\Box$        |           |         |       | 144      |               | I            | $oxed{oxed}$ |          |          |          |                   |           |
|          | 45         |  |                |                 |   | $\Box$  | $\Box$  |          |           |          |  | 95       |                 | $oxed{\int}$ |           |                | $oldsymbol{oldsymbol{oldsymbol{\Box}}}$           |               |           |         |       | 145      |               |              |              |          |          |          |                   | $\Box$    |
|          | 46         |  |                |                 |   | $\Box$  | $\Box$  | $\Box$   | $\Box$    |          |  | 96       |                 | $oxed{oxed}$ |           |                |   | $\Box$        |           |         |       | 146      |               |              | Τ            |          |          |          | $\Box$            | $\Box$    |
|          | 47         |  |                |                 | $\Box$  | $\Box$  | $\prod$   |          |           |          |  | 97       |                 |              |           |                | 工   |               |           |         |       | 147      |               | J            | Ι            |          |          |          | $\Box$            |           |
|          | 48         |  |                |                 |   | $\Box$  |   |          |           |          |  | 98       |                 |              | $\Box$    |                |   | $\Box$        |           |         |       | 148      |               | J            | Ι            |          |          |          | $\Box$            | $\Box$    |
|          | 49         |  |                |                 |   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $\Box$   |           |          |  | 99       |                 |              | $\square$ |                | $oldsymbol{oldsymbol{oldsymbol{\Box}}}$           | $\square$     |           |         |       | 149      |               | J            | Ι            |          |          |          | $\Box$            |           |
|          | 50         |  | 乚              | $\Box$          | $\perp$   | $\perp$   | $\perp$   |          | $\Box$    |          |  | 100      |                 |              | $\Box$    | П              | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $\prod$       | _]:       | [       | ]     | 150      |               |              |              |          |          |          | $oldsymbol{\bot}$ |           |